

SUBSTITUTE SPECIFICATION

ABSTRACT OF THE DISCLOSURE

A sensor (1) for capacitively measuring the distance to a stationary or passing object. The sensor has an electrode
5 (2) that capacitively couples with the object and is formed from an electrically conductive ceramic material. The electrode is substantially surrounded by a housing (4) formed from an electrically non-conductive ceramic. The electrically conductive and electrically non-conductive
10 ceramic materials are chosen so that they have the similar thermal expansion coefficients so that the sensor remains virtually stress free at high temperatures.